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JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11)Publication number: 09090906

(43)Date of publication of application: 04.04.1997

(51)Int.Cl.

G09G 3/32

G09G 3/20

(21)Application number: 07274873

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(22)Date of filing: 27.09.1995

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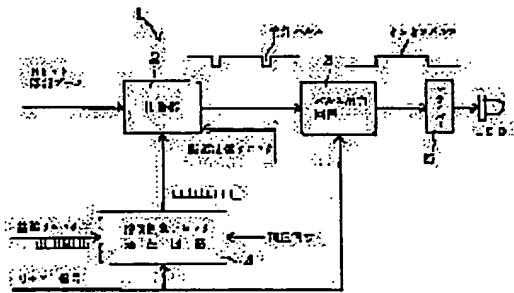
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(54) DISPLAY METHOD FOR LED DISPLAY

(57)Abstract:

PROBLEM TO BE SOLVED: To adjust finely a lighting time of an LED without increasing the number of bits of the gradation data and to light it at ideal emission luminance by correcting a period of a gradation control clock.

SOLUTION: This display is provided with a comparator 2 inputting the gradation data of a digital signal and the gradation control clock, a pulse output circuit 3 outputting a pulse having a time width in which the output of the comparator 2 and a reset signal is inputted to emit LED and a gradation control clock generation circuit 4 inputting the gradation control clock adjusted by the period to the comparator 2. Then, the number of gradation control clocks in one luminance modulation frame period are made equal or nearly equal, and the period is changed in the first term and the last term of the luminance modulation frame period, and the lighting time of the LED is adjusted in the same gradation data. That is, e.g. the period of the initial gradation control clock of the luminance modulation frame period is shortened and then lengthened gradually, or the period of the initial gradation control clock is lengthened and shortened gradually.



LEGAL STATUS

[Date of request for examination] 14.02.1998
[Date of sending the examiner's decision of rejection]
[Kind of final disposal of application other than the
examiner's decision of rejection or application converted
registration]
[Date of final disposal for application]
[Patent number] 2917876
[Date of registration] 23.04.1999
[Number of appeal against examiner's decision of rejection]
[Date of requesting appeal against examiner's decision of
rejection]
[Date of extinction of right]

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